

## THE BULLETIN

APRIL 3, 1995 ~ 48TH YEAR ~ NUMBER 16

## ROYAL WRIT



Governor-General Romeo LeBlanc signs the guest book at Hart House during his first visit to Toronto since his installation in February. His wife, Diana Fowler LeBlanc, and Hart House warden Peter Turner look on. The occasion, hosted by Premier Bob Rae, featured a luncheon attended by President Robert Prichard and U of T's Rhodes scholars, among others.

DAVID HARTMAN

## Tough Times but Council Digs Deep for \$1.2 Million

BY ALFRED HOLDEN

**T**WO RESEARCHERS HAVE RECEIVED more than \$1.2 million from the Natural Sciences & Engineering Research Council.

"It's good news at a not-so-happy time for research funding," Judith Chadwick, the University's director of research grants, said last week. The grants will go towards the purchase of major pieces of equipment in the chemistry and materials science departments.

Professor Geoffrey Ozin of the Department of Chemistry was awarded about \$600,000. The NSERC and other funds will be used to acquire a powerful, 400-megahertz nuclear magnetic resonance spectrometer to help examine the nuclei of atoms in solid materials.

Professor Doug Perovic of the Department of Metallurgy & Materials Science was granted approximately \$667,000. The money will be combined with other funds to buy a high-resolution, field-emission scanning electron microscope. It will make possible a more detailed analysis of materials ranging from polymers, metals and ceramics to semiconductors, wood, concrete and paper.

The University is contributing about \$202,000 to support the

purchase of the spectrometer and \$121,000 for the electron microscope. The Ontario Centre for Materials Research, a provincial centre of excellence, supported both grant applications and contributed funds. Operating costs for the equipment will be partly offset by charging user fees to U of T and outside groups.

Many individuals in other disciplines at the University will benefit from the new equipment. Both departments are members of the new University of Toronto Materials

Institute composed of 120 research groups with an interest in advanced materials and their applications. Perovic said the two pieces of equipment are complementary because each provides different information "in our quest to understand a material or a problem completely."

"These are state-of-the-art world-class pieces of equipment that upgrade our capabilities," he added. "Now it's up to us to show what we

~ See COUNCIL: Page 2 ~

## Lowy Named Rector

**P**ROFESSOR FREDERICK LOWY, director of the Centre for Bioethics, will be leaving the University to become rector and vice-chancellor of Concordia University. "I'm going back to my roots," said Lowy, a former Montrealer who joined U of T in 1974 as chair of the Department of Psychiatry. He served as dean of the Faculty of Medicine from 1980 to 1987.

In an interview Lowy said he will miss U of T but is ready for some new and, he acknowledged, possibly daunting challenges at Concordia. He said the Montreal university will

be facing particularly severe budget cuts in the near future and that morale is still recovering from the 1992 shooting deaths of four people by Valéry Fabrikant, a member of Concordia's engineering faculty.

"The challenge there is going to be to re-establish a sense of purpose and morale and self-esteem," said Lowy. "If I can foster a new spirit of consensus and determination, all of us—students, faculty, staff, alumni and friends of the university—will succeed in meeting the daunting

~ See LOWY: Page 2 ~

## INSIDE

## Fire work

RON LEWIS' INITIATIVES AS MANAGER of fire prevention services are producing good results. *Profile*, Page 5

## Feel-good chemicals

AVAILABLE AT ANY STREET CORNER, 30 minutes' walk from home. *Page 7*



## Why did the chicken cross the road?

NOT TO FEEL GOOD, IF YOU ASK Hemingway. *Page 10*

## MEDIEVAL STUDIES

## SCRIPTING HISTORY

*The study of religious manuscripts at PIMS provides better understanding of Middle Ages*

BY SUZANNE SOTO

**I**N LESS THAN TWO WEEKS MILLIONS of people all over the world will mark the culmination of the Easter festival, one of Christian religion's earliest rites.

Commemorating the resurrection of Jesus Christ after his crucifixion, the celebration of Easter dates back to the very beginnings of Christianity. In North America Christians celebrate Easter by observing holy days, participating in sacred rituals, engaging in popular traditions and eating special foods. Baptisms, midnight masses, candle-lit processions, followed by feasts and the painting and rolling of eggs are all part of the modern-day festivities.

In southern Italy 1,000 years ago a principal feature of Easter celebrations was a hymn sung at the vigil service on Holy Saturday. The Exultet is still sung in churches today.

Commissioned by church or government officials, the Exultet and other hymns were written on pieces of parchment with ornate and colourful illustrations depicting many themes. Talented scribes and artists created the manuscripts, many of them more than 10 metres long, says Roger Reynolds of the Pontifical Institute of Medieval Studies. The text and illustrations were often on



opposite sides—while the deacon sang the hymn from a high pulpit, the people below saw the illustrations as the manuscript was unrolled—a medieval version of the movie model!

"There were many liturgical and biblical themes but the rolls also showed aspects of daily life such as the gathering of beeswax," Reynolds says,

holding a replica of one of the ancient manuscripts. "Here, for example, they are celebrating the resurrection. Farther down is a prayer for the emperor and his troops, and there they are," he adds, pointing to the illustrations.

For nearly nine years Reynolds and Professors Virginia Brown of the institute and Richard Gyug of Fordham University in New York, a U of T alumnus, have been collecting and examining these and related documents in a research program called the Monumenta Liturgica Beneventana. The project, funded by the Social Sciences & Humanities Research Council, locates, dates, transcribes, edits and publishes liturgical manuscripts such as the Exultet. The documents, from the old duchy of Benevento in Italy, are written in a distinctive and beautiful script first used around the middle of the eighth century by Benedictine monks.

When they crossed the Adriatic sea they introduced the script along the Dalmatian coast where it endured until at least the middle of the 16th century. The rites detailed in the documents reveal a wide diversity of worship traditions and provide a fascinating glimpse into the political, social and

~ See SCRIPTING: Page 5 ~

## AWARDS & HONOURS

### Kay awarded Sloan fellowship

PROFESSOR LEWIS KAY OF THE DEPARTMENT OF BIOCHEMISTRY is among 100 young scientists and economists to be awarded a prestigious 1995 Sloan research fellowship. The fellowships consist of \$30,000 over a two-year period and are intended to support the research of young scholars at a time in their careers when other funds may be difficult to obtain. Kay uses nuclear magnetic resonance to develop methods of studying the structure and dynamics of macro molecules.

### Two win Crann honours

PROFESSORS JOYCE SLINGERLAND OF THE DEPARTMENT OF Medicine and Daniela Rotin of the Department of Clinical Biochemistry have been named 1994 recipients of Elsie

Winifred Crann Memorial Trust awards for excellence in medical research. Normally only one \$35,000 award is given each year by the U of T Life Sciences Committee to junior faculty working in the areas of breast cancer or pulmonary, kidney and urinary diseases. Slingerland is researching the growth and division of cells in cases of cancer, with a view to developing new forms of anti-cancer treatment. Rotin is examining cell expressions that lead to normal lung development and lung cancers.

### Halperin selected for Dales award

PROFESSOR MITCHELL HALPERIN OF THE DEPARTMENT OF Clinical Biochemistry has been selected as the 1994 recipient of the Helen A. Dales Award for Medical Research. Given by U of T's Life Sciences Committee, the award honours

outstanding investigators whose research has a substantive impact in basic or clinical sciences or community health. Halperin was trained in renal physiology at Boston University and biochemistry at Bristol University. His major research interests are in the area of acid-base, fluid and electrolyte physiology as well as the control of intermediary metabolism.

### Polanyi to receive honorary degree

UNIVERSITY PROFESSOR EMERITUS JOHN POLANYI OF THE Department of Chemistry will receive an honorary doctor of science degree from Laurentian University in Sudbury in June. He will be cited as a role model for both the sciences and humanism and as an individual who is a strong advocate for academic freedom and a tireless spokesperson against the dangers of nuclear war.

## IN BRIEF



### Liew receives \$351,000 grant

PROFESSOR CHOONG-CHIN LIEW OF THE DEPARTMENT OF CLINICAL Biochemistry has received a Canadian Genome Analysis & Technology Program grant from the Medical Research Council. The \$351,000 grant, to be disbursed over three years starting April 1, will support Liew's human heart cDNA project. The study is attempting to identify and categorize the function of all the genes in the cardiovascular system.

### Access to information policy approved

U OF T NOW HAS A POLICY ON ACCESS TO INFORMATION & PROTECTION of Privacy. Written by Governing Council secretary Jack Dimond, the policy was approved by Council March 9. Prior to its approval the document was revised several times to accommodate faculty and staff concerns over the release of confidential information. The policy is based on the Ontario Freedom of Information & Protection of Individual Privacy Act. It allows members of the campus community and the public to request access to University records and files. Staff members in U of T's human rights office will handle freedom of information requests; one of these individuals will be appointed commissioner for freedom of information to deal with complaints from anyone denied access.

### Yoshida examines pilot project

PROFESSOR KAREN YOSHIDA OF THE DEPARTMENT OF PHYSICAL THERAPY has received almost \$45,000 in grants to study the social, economic and political forces that led to the creation of the Ontario Self-Managed Direct-Funding Attendant Services Pilot Project. The Social Sciences & Humanities Research Council and Human Resources Development Canada are funding Yoshida's two-year probe. The pilot project, launched last summer, allows persons with disabilities to hire, train and supervise their own attendant care workers.

### Three join research council

THREE ACADEMIC ADMINISTRATORS WILL BECOME MEMBERS OF THE research council of the Canadian Institute for Advanced Research. Provost Adel Sedra, Dean Marsha Chandler of the Faculty of Arts & Science and Professor Heather Munroe-Blum, vice-president (research and international relations), will join the council which oversees all of CIAR's programs. The national institute is composed of talented researchers who study complex problems of scientific, social and economic significance.

### Jacyk resource centre opens

U OF T HAS A NEW CENTRE FOR RESEARCH, TEACHING AND PUBLIC information on Russia and eastern Europe. The Petro Jacyk Central & East European Resource Centre opened March 30 at the John P. Roberts Research Library. Established with a \$250,000 grant from the Petro Jacyk Educational Foundation, the centre contains a broad range of reference material, books and current newspapers in the languages of the region.

## SPRING RITUAL



Scratch the surface and you find that the material covering the front campus is real soil that smells just like the stuff in the countryside. Harold Snow, a light equipment operator with the grounds department, was the lucky man who played farmer last week as he harrowed, cultivated, seeded and rolled the field in preparation for spring convocation.

## Council Digs Deep

~ Continued from Page 1 ~  
can do with them."

Ozin was recently awarded a Killam fellowship, which frees him up to do two years of full-time research, and a Connaught award that will allow him to investigate new

forms of luminescent silicon. "I'm just so grateful, excited and optimistic," he said. "I feel like an assistant professor starting out, but with 30 years of experience and the funding to do what I want."

The grants came just weeks after

the federal government announced double-digit cuts will be made to the budgets of the three granting councils that fund Canadian research. NSERC's reduction will amount to 14 percent over the next three years.

## Lowy Named Rector

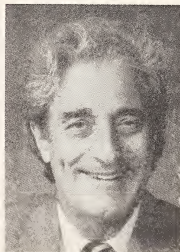
~ Continued from Page 1 ~  
challenges that face us."

President Robert Prichard ranked Lowy among U of T's finest citizens. "This is a magnificent appointment for Concordia," said Prichard. "Fred will be a splendid president. He leaves a wonderful legacy of achievement and contribution at the University of

Toronto." Prichard added that he expects "Fred will remain very much a part of the University of Toronto community as he assumes his new responsibilities."

Lowy, who is 62, earned his bachelor's and medical degrees at McGill University and taught there. At U of T

he was one of the founders of the bioethics centre where he steps down June 30. "I have put the Centre for Bioethics into place and it's really been quite exciting," he said. "So my memories of U of T are going to be just super. I feel at home here." Lowy takes office at Concordia Aug. 15.



Frederick Lowy

UNIVERSITY OF TORONTO

## THE BULLETIN

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## Vim & Vigour



High spirits and lots of rhythm were in abundance at the Evening of Dance performed at Hart House Theatre March 25. Nineteen groups of student dancers boogied, mamboed and belly-danced in the show organized by the Department of Athletics & Recreation. More than 400 attended.

HEMMA LINDMAN

## View Liberal Budget Plan as Core Support, Prichard Says

*Lyn McLeod proposes to freeze university funding for four years*

BY KARINA DAHLIN

THE ONTARIO LIBERAL PARTY'S proposal to freeze transfer payments for four years is reasonable, says President Robert Prichard.

"Given the very difficult financial situation facing the province and the reduction in federal-provincial transfers, a freeze represents a significant commitment to the cause of higher education," Prichard said in an interview March 29. If the proposal is implemented, however, the amount allocated to universities should be viewed as a floor, not a ceiling, for core support, he said.

The Liberal budget plan was announced March 23 and is part of the party's strategy for the upcoming election. It says funding for municipalities, hospitals, schools, colleges and universities should be frozen at current levels. "Institutions will know

what they can expect — and they will know that by restructuring, re-organizing and achieving efficiencies, they can keep the money they save to concentrate on real needs," Liberal leader Lyn McLeod said in a statement. The action is one of several the Liberals say they will take to reduce annual spending by \$3.5 million by 1998-99 should they form the next government.

Prichard said, due to inflation, the freezing of transfer payments would mean universities have to manage with less. For this reason he hopes a fixed funding level will be treated as "core support, not full support." This would permit universities to generate additional resources through partnerships, fund raising, tuition fees and other approaches and still meet the public's expectations. "Whatever the financial environment, our

central commitment will continue to be the completion of the white paper planning process with its emphasis on the distinctive mission of the University of Toronto."

Professor Peter Boulton, president of the U of T Faculty Association, said the Liberal's announcement avoids an argument about the proper distribution of transfer payments. But at least it tells organizations what their financial situation will be for the next four years. "It's certainly better than any redistribution that would result in a decrease for the post-secondary sector."

As election material the announcement "is designed to offend no one," Boulton commented. "If you divide up scarce resources, continuing the way you have in the past is the least disruptive approach from an election point of view. It looks like good politicking."

## Hang on to Career, Advises Engineer

BY ALFRED HOLDEN

KEEP UP-TO-DATE ON DEVELOPMENTS in your field while taking time off to raise a family and fight for better access to child care is the advice offered to female engineering students by Lady Beryl Platt.

Platt, a member of the British House of Lords and an engineer, spoke to a group of about 40 at the Galbraith Building March 22. She was in Toronto at the invitation of the Faculty of Applied Science & Engineering.

"I'm so keen today for young women not to waste their expertise," she said in an interview. "Relatively few men think that combining career, marriage and children will involve choices or pose dilemmas. But for women these three simple human ambitions are still hard to combine."

Platt should know. She gave up a successful career as an aeronautical engineer to get married. By the time she was ready to work again 10 years later, her skills were out of date. She still laments the loss of that career.

Platt was one of just five women in a class of 250 engineers studying mechanical sciences in the early 1940s. When she arrived at her first job at Britain's Hawker Aircraft in 1943 she could see her boss' reaction by the look in his eyes — "Oh God, there's a war on and we've got a woman engineer. Platt remembers her co-workers' shock. "The men on the shop floor had all left school at 14 but they were amongst the most highly skilled workers in the factory. And

they looked at this woman and said, what have we got here?"

But 1943 was the height of the Second World War and the desperate need for Platt's skills quickly broke down barriers. She was called on for the exacting task of calculating aircraft performance characteristics such as fuel consumption and rate of climb — vital information for the flying manuals used by pilots.

After the war she joined the research and development department of British European Airways where she calculated airliner performance and assessed safety margins. She was part of the team that selected a pioneering aircraft that used turbine engines to power propellers — the Vickers Viscount. "I was still the only woman engineer but by that time I'd got some confidence and I was used to working with pilots and male engineers. I coped, but I'm not suggesting it was always easy."

From engineering she turned to politics. Platt was first elected to a district council in 1959 and remained in local politics until 1983 when she was appointed chair of the British Equal Opportunities Commission. In that job she backed the passage of a Code of Practice through parliament — it helped identify and eliminate discrimination against women.

Following Platt's talk several female students said they still feel like pioneers. Kristen Coupland, 23, of electrical engineering, said upon graduation, many women go into jobs "where they find they are in a minority to the point where they're the only one."



Lady Beryl Platt addresses students.

JEWELL KRAMER/PH

## More Spaces, Flexible Options Day Care Issues

BY SUZANNE SOTO

DESPITE U OF T'S CONTINUED efforts to improve child care services on the St. George campus, there is still a shortage of day care spaces and flexible care options, a current review of the system indicates.

The analysis, being conducted by U of T family care adviser Jan Nolan, found that hundreds of children are waiting for a spot in one of the campus' four day care centres and hundreds of parents are waiting for approval of a subsidy. Only one downtown campus facility offers full-time care for infants and toddlers; more part-time care for

children of faculty and staff and more part-time and drop-in care for student parents is needed.

These and other issues surfaced at two public meetings Nolan held in March as part of her review. The purpose of the meetings was to discuss the future of child care on the St. George campus. She hopes to receive more submissions from the campus community before writing a report on her findings at the end of April. The report will be given to Professor Michael Finlayson, vice-president (administration and human resources).

In an interview Nolan said that many day care problems cannot be

solved by U of T in current circumstances. The issue of child care subsidies for parents in financial need falls under municipal jurisdiction. It takes more than a year for a parent to obtain a child care subsidy; even then, it is not valid at the University if the parents live outside Metro Toronto. And U of T's financial constraints mean that more child care spaces or day care centres will not likely be provided by the University in the near future.

Nolan will propose a number of alternatives. For example, the services and hours of Nancy's Part-time Child Care Centre could be expanded, she said. Opened in

1993, the centre primarily serves student parents. It provides daily care to up to 15 children, three of them infants, in three-hour blocks of time. The centre could consider offering evening and weekend child care or more care on a drop-in basis.

Parents have also suggested that if money does become available for another day care centre, it should be located in the south-west part of the campus. All existing St. George campus day care centres are on the north or north-west side, near Varsity Stadium. Student parents also want the University to consider directly subsidizing some spaces for them.

Once Nolan's report is finished, the administration must decide what, if any, recommendations it can implement. She noted, however, that U of T remains very supportive of her efforts and committed to enhancing child and family care services. As well, she believes the University will benefit from her review even if it cannot act on it immediately.

"Three or four years ago we would not have dreamed that we would have Nancy's up and running so successfully, so it's very important to have these goals to reach for."

Those wishing to make a submission can contact Nolan's office at 978-0951.

## Outstanding Teachers



The 1994-95 undergraduate teaching awards sponsored by the Association of Part-time Undergraduate Students and the Students' Administrative Council were handed out March 17 at Hart House. The winners are: Wendy Tamminen, a tutor in the Department of Immunology, left, Professor K.D. Pressnail of the Department of Civil Engineering, Professor Michael Trussler of the Department of English, Professor Cameron Walter of the Faculty of Music and Brenda Mallouk, a senior tutor in the Faculty of Management. The winners were nominated by students for their excellence in the classroom.

## U of T Precinct Keeps Officers Busy

**A**SUSPECTED PIPE BOMB THAT led to the evacuation of a campus building turned out to be a trades worker's storage case, U of T Police say.

On March 28 a student reported seeing a capped piece of copper pipe on a first-floor water fountain in the Galbraith Building, said Sgt. Len Paris. Police could not determine its origin and suspected it might contain explosives. The building was

evacuated and Metro Police's bomb disposal unit called in to remove the object. The pipe, containing metal drill bits, belonged to a U of T employee.

Meanwhile police are warning people on the St. George campus to be wary of a man posing as a Ryerson Polytechnic University photography student. On March 13 and 27 the man approached female students and asked them to pose for a photograph

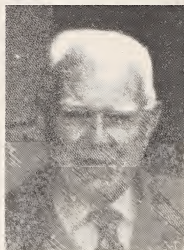
as part of a school assignment. He suggested the women accompany him to a side street and remove part of their clothing so he could capture a "summer look." When the women refused he left the area on a bicycle. He is believed to be behind a string of such incidents dating back to October 1988. Anyone approached by him should contact campus police at 978-2323.

## IN MEMORIAM

### Skinner Was "Master Teacher" Who Influenced Many Students

**P**ROFESSOR EMERITUS ANDREW Skinner of the Faculty of Education died Feb. 13 at the Edinburgh Royal Infirmary in Scotland. He was 93 years old.

Born in Kingskettle, Scotland, Skinner had a distinguished career in teacher education in both his homeland and in Canada.



After attending Bell-Baxter School in Fife, Skinner earned his BSc and MA degrees in 1925 from the University of St. Andrew's in Scotland. He completed his PhD in chemistry in 1928 and acquired a special teaching certificate the following year. In 1931 he graduated from Columbia University with an MA in education.

Skinner taught science at various schools in Scotland until 1937 and

served a two-year term as assistant director of education for the county of Aberdeen. From 1941 to 1954 he served as a professor of education at St. Andrews University and principal of the Dundee Training College.

After two summers as a visiting professor at the Ontario College of Education he joined the staff in 1954. He taught the history and philosophy of education and comparative education to teachers-in-training and graduate students. Following his retirement in 1970, Skinner returned to Scotland to work on a publication entitled *Teachers' Heritage: An Introduction to the Study of Education*.

Professor Willard Brehaut of the Ontario Institute for Studies in Education, a colleague and friend, said the book was extremely well received by the education community on both sides of the Atlantic. "It represented the accumulated wisdom of a lifetime of a highly respected scholar and teacher."

Skinner was known as a "master teacher" and a "one-in-a-million" individual, Brehaut noted. "He set an example as a teacher of teachers. He was able to bring the qualities of not only his scholarship but his character to bear on what he taught. Because of that, he left a marked impact on the many students he met over the years."

### University of Toronto Research Services and the Faculty of Medicine Research Office present

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Victoria College, John H. Moss Scholar



Bruce Johnson, left, June Straker and Michael Collins



Mary Silcox

**TUESDAY, APRIL 25 AT HART HOUSE**

Reception: East Common Room, 6 p.m.

Dinner: The Great Hall, 7:15 p.m.

\$50 per person; students, \$35 (business attire)

Ticket information: 978-4258 or 978-6536



# FIRED UP

*Ron Lewis wants the University to know where there's smoke there's no need for fire*

By SUZANNE SOTO

**R**ON LEWIS WAS SO EXCITED 13 years ago about his new job at U of T that he reportedly to work a day early — and strangely found himself in charge.

The newly hired fire prevention officer had a verbal agreement and a job confirmation letter with differing start dates. To be on the safe side he chose the earlier date. When he arrived he discovered his boss had left on a two-week vacation and the other fire prevention officer had left permanently. On his first, unofficial day of work he was all alone in the unit.

"Someone came and said, 'Here are the keys to the car and a layout of the campus. We would like you to respond to fire alarms and assist the fire department as much as you can.'"

It was rather unnerving, Lewis, now campus manager of fire prevention services, admits with a laugh. But he made it through those first two weeks and in the process learned a great deal about the University and its fire prevention efforts.

Lewis came to U of T after 20 years as a firefighter and fire prevention officer in the Canadian Armed Forces — a job that took him to bases all over Canada and Europe. In 1982 the armed forces wanted to transfer him from Trenton to the Queen Charlotte Islands in British Columbia. His family, however, was somewhat reluctant to move because of concerns over housing and education. As he pondered his future, Lewis noticed the U of T position advertised in a Toronto newspaper. He applied and was hired.

"I expected it would be difficult to leave the forces but in fact it was an easy transition," he says. "Coming here opened up a whole new world for me and I enjoyed the change."

Lewis was promoted to manager of fire prevention services in 1987. One of the first things he decided to do was educate



students living on campus about the importance of fire prevention. He was worried about the high number of false alarms and vandalism of fire safety equipment in the various residences.

He started giving seminars after working hours. Students, he found, were quite receptive to his talks which focused primarily on their well-being. Simultaneously his office handed out fines to anyone caught deliberately setting off a false alarm or damaging fire equipment. When no culprit could be identified, the individual house was fined.

The program, he notes, has worked like a charm. In 1989-90 fines resulted in more than \$10,000 which was applied towards the repair and replacement of fire safety equipment. So far this year fines amount to about \$300. The number of false alarms, meanwhile, has decreased from 257 in 1989-90 to 145

in 1993-94 — a 42 percent drop. The work with residences, however, is just one component of Lewis' job. He and two fire prevention officers are responsible for ensuring campus-wide compliance with the Ontario Fire Code, maintaining fire protection systems, developing fire safety plans and providing advice to the community.

Their duties extend to more than 100 downtown campus buildings and the Institute for Aerospace Studies and the David Dunlap Observatory in Downsview. The office also oversees the maintenance of about 12,000 heat and smoke detectors, 195 sprinkler systems and nearly 100 fire alarm panels.

Lewis says his staff depends on the campus community to report fires and problems with fire safety. While the Toronto Fire Department responds to all alarms on campus, U of T's fire prevention officers assist by providing access to buildings and information. Lewis' staff investigates all fires, no matter how small. With more serious blazes, the Ontario Fire Marshal's office is also called in. Fortunately major fires are rare. "For the size of the community here and the number of buildings, we have an excellent fire safety record," he says. "The most serious incident I can remember happened about five years ago when someone intentionally started a fire at the Medical Sciences Building. The resulting damage was \$50,000."

Lewis attributes the success of his office mainly to the campus community which has embraced his efforts. However, he also credits his staff for the amount of dedication they have to their jobs. "We have a lot of conviction for what we do," he says. "In any kind of safety work you have to truly want to make things better for people. If you don't have that conviction, you are not going to have any impact. But we have seen good things happen here and that is what keeps us motivated."

RONA ENLÉN

## SCRIPTING HISTORY

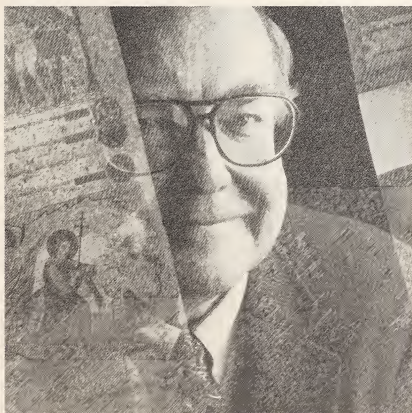
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cultural composition of the south Adriatic region in the Middle Ages, Reynolds says. For example, many of the manuscripts show signs of having been "edited" as tastes changed.

"Artists and scribes would make the rolls but then a priest or someone else might cut out illustrations that were a bit risqué, or text that was considered not Christian enough. It was the medieval version of the Ontario censor," he jokes.

Over the centuries the area was invaded by various groups such as Greeks, Normans and Angevins who brought their own music, prayers and other liturgical rituals. These are all reflected in the manuscripts. "One can actually trace the history of an area through the liturgical books used at that time," says Brown, a world-renowned palaeographer and the project's principal investigator.

There are 30 original rolls still in existence today and they can be found in libraries from London to Paris to southern Italy. The Pontifical Institute currently holds the largest photographic



Roger Reynolds and replicas of Beneventan manuscripts

collection of Beneventan manuscripts in the world. This, many scholars say, makes Toronto the "Beneventan-script capital" of the world. The entire program attracts worldwide attention from

researchers in a variety of fields — art historians study the manuscripts' illustrations and decorations; musicologists look at the forms, theories and methods of the music; and cultural historians search for clues about what life was like in the period. Equally important the manuscripts are used to train Toronto graduate students of medieval studies, literature, palaeography, history and art, among other disciplines.

The study of the diversity of ancient liturgical practices has significant implications for our western ecclesiastical culture as well, Reynolds says.

"A principal source in the development of modern liturgies is the historical tradition," he notes. In the Middle Ages, as in modern times, rituals both sacred and secular symbolize and characterize the deepest feelings of people and express the values of communities. "Ritual and worship are a very important part of our cultural heritage, our background. By studying these manuscripts, what we are really doing is learning more about ourselves and the values we hold."

## Student Affairs Publishes Guide

**D**EALING SUCCESSFULLY WITH professors, finding a place to live and preventing sexually transmitted diseases are but a few of the many issues to be addressed in a new student guide to U of T.

The handbook is being prepared by the Office of Student Affairs in consultation with the Graduate Students' Union, the Students' Administrative Council and the Association of Part-time Undergraduate Students, among others. Some 55,000 copies will be distributed in early June to regimens' offices across the University. The handbooks will be given to students at all academic levels before the fall term and every year thereafter.

Jim Delaney, student affairs liaison officer and projects coordinator, said this is the first time the University will publish a comprehensive resource guide to campus life and services. "There are many little publications and pamphlets about particular places and services available but nothing that deals with the scope of information we are planning to put into this handbook," he said.

The students' council has published an annual student guidebook for several years but it will not do so next year in light of the administration's effort.

RON ALLEN

# MANY HAPPY RETURNS

*With inflation protection the University's endowment fund can grow in good times and bad*

By ALFRED HOLDEN

IN 20 YEARS HOW MUCH WILL JOHN POLANYI'S CHAIR cost U of T? Bruce Curwood doesn't know but he's pretty sure of one thing: the University will be able to afford it.

Curwood is the University's treasurer and the chair is not the one the Nobel Prize-winning chemist sits on in the Lash Miller Chemical Laboratories. It is the creation of an endowment worth \$2.32 million that bears Polanyi's name. The fund was established in the fall to support the cost of a senior professor's salary and related expenses through interest payments.

University endowments go back a long way. They were a means by which everyone from public-spirited widows to Canada's most elite families and businesses made what they hoped would be permanent contributions to higher education. But in the past, as Curwood explained in an interview, this generosity has often been undermined by inflation. For instance a \$10,000 endowment for a scholarship in 1940 with a 10 percent annual yield would likely have paid tuition and expenses with money left over, he says. Today the interest from \$10,000 won't buy much at all. It "would cover some textbooks and that's about it," Curwood says.

This fate is less likely to occur with the Polanyi chair. In the mid-1980s U of T joined a number of US universities in electing to manage its endowments on a more sophisticated basis. It instituted a strict policy designed to protect them from inflation.

The policy's beginnings go back to good but inflationary times — the booming 1970s. There was lots of money around but when the dust settled in the early 1980s universities found inflation had eaten away the value of their endowments. Many funds were so eroded they could no longer support the undertakings they were intended to sustain. "In the 1970s we didn't preserve capital and in that scenario you never seemed to make up the ground lost due to inflation," Curwood reflects. "That was a big lesson that people had to learn, a key factor in the evolution of the philosophy of endowments."

Now, instead of distributing all the interest from the endowment, a proportion of it is ploughed back to the base capital. This increases the size of the endowment over time. A bigger bank account pays more interest. Over time, if the investment keeps growing and the interest it pays therefore keeps increasing, the buying power of the endowment should remain stable, instead of being eaten away by inflation.

While inflation is not the problem it was 20 years ago, U of T's policy of capital preservation has taken on increased significance. In the fiscally restrained 1990s governments cannot provide the level of funding universities need and universities are increasingly looking to individuals and the private sector to shore up endowments — a way, ultimately, to become more independent of the vagaries of government policy.

It sounds great but achieving and protecting such independence isn't easy. First there's the fact that large amounts of money



must be deposited in endowments to generate relatively modest payments. Secondly protection against inflation means a university must be disciplined enough to withdraw less interest than they might like — a tough choice in hard times — and instead reinvest some of it.

When the inflation protection policy was implemented at U of T, faculties, schools, departments and divisions received less interest income on endowments than previously. However, the sacrifice "was worth every penny," says Professor Martin Moskowitz, chair of the Department of Chemistry. "In the past, endowments were windfalls that someone came and gave us. But over the last decade I think we've grown up in terms of fiscal responsibility. We realized we could spend it all today and then we'd have no future."

Some universities derive a large proportion of their income from endowments. Harvard's endowments are worth \$6.2 billion and pay \$270 million a year in income, Curwood says. This supports about 20 percent of the institution's budget and

"allows them to do some tremendous things."

U of T's endowments of \$430 million have a long way to go before they could support the University's annual budget of more than \$800 million. But the Polanyi chair, funded with the help of the Jackman Foundation and the Natural Sciences & Engineering Research Council, is a step in that direction.

U of T's largest endowment is the Connaught Fund, worth \$70 million. Its income supports scholarships, grants, fellowships and special projects in disciplines spanning the University. One of the smallest endowments is the Gurdev Neelam Memorial Award which provides income for bursaries to students in financial need at UC. The donor's 1987 gift of \$3,000 has grown to about \$5,500 through interest accumulation and additional contributions, Curwood says, and pays out about \$275 a year.

Managing the University's substantial endowments so they produce a permanent income is one of the challenges Curwood handles in his office at 215 Huron St. He monitors the University's professional money managers, who invest the endowment funds in stocks, bonds and other ventures.

In 1991 the University combined its endowment funds into a single consolidated investment pool. Since then the rate of return, with inflation taken into account, has averaged 11.4 percent, well above the historical norm of four percent. This return supports a payout of about five percent with the rest reinvested. But results won't always be this good, Curwood stresses. Stock markets can correct very sharply, he notes, calling 1994 "a difficult year" in which "returns were break-even at best."

Sensible fund management rather than risk taking is a cornerstone of the University's endowment investment strategy, says Curwood. With diverse holdings that are carefully managed, the value of the endowment pool does not tend to fluctuate too dramatically. There may be few windfalls but risk is reduced. Achieving "the maximum possible return consistent with the safety of the capital is a key objective of the University's finance division," states a recent memorandum about the endowment fund distributed by the office of chief financial officer Robert White.

"It means too much to the University to take unnecessary chances with its money," Curwood says. "Even if you have the best intentions, sometimes the markets are just not kind."

U of T's careful investment strategy has other positive benefits. For instance, prospective donors to University endowments take note of a responsible endowment policy, says David Boyd-Thomas, director of planned gifts and bequests in the Division of Development & University Relations. Donors generally want their gifts to be permanent and "in many cases they want to memorialize or honour someone in perpetuity." When Boyd-Thomas explains U of T's Policy for the Protection of Capital of Endowed Funds "it's something they pick up on right away and find reassuring. And they are unanimous that this is the way to go with their investment in the future of U of T."

## University-College Association Protests Research Cuts

*Lobby group starts preparing for talks on Canada social transfer grants*

THE NATIONAL LOBBY GROUP for colleges and universities has sent federal finance minister Paul Martin a letter protesting the severe blow dealt by the federal budget that was announced Feb. 28.

The combination of several factors — reductions to the budgets of the federal granting councils, cut-backs in departmental funding for university research and withdrawal of indirect federal support for research infrastructure — "will seriously weaken one of the few science and technology sectors where Canada enjoys a comparative

advantage," says Claude Lajeunesse, president of the Association of Universities & Colleges of Canada, in a March 23 letter.

The withdrawal of support for infrastructure may create the most damage, Lajeunesse notes. The withdrawal takes place when federal transfer payments to provinces for post-secondary education, health care and social assistance are reduced and combined as Canada Social Transfer grants. "Through these transfers, the federal government indirectly supported the infrastructure costs of federally

sponsored research," he says. "This support has been vital to the success of federal investments in research and graduate training by contributing indirectly to the creation and maintenance of an environment conducive to high quality research."

Ottawa and the provinces will discuss the social transfer grants and AUCC plans to intervene in those discussions, said Robert Davidson, director of research for the association. There are at least two angles to consider, he explained. One is the allocations formula, the other the principles underlying the

new block grants. Since the government has set aside two years to prepare the new system, Davidson said talks probably will not start for another six months. In the meantime the association is preparing its argument by examining the current transfer arrangement and trying to predict the effects of various changes.

Meanwhile AUCC members, who met in Kingston March 16, adopted a resolution that supports four principles — equitable access to high quality higher education; interprovincial and international

mobility of post-secondary students; appropriate student assistance programs; and an internationally competitive university research infrastructure.

The AUCC president will advocate these principles through federal-provincial discussions on the social transfer grants; development of a national income-contingent repayment scheme for student loans; creation of a mechanism to provide federal funds for university research infrastructure; and development of a federally supported program for international student mobility.



## Dictionary Receives \$300,000 Grant

ONE OF U OF T'S MOST PRESTIGIOUS humanities research projects, the *Dictionary of Old English*, has been awarded a \$300,000 grant by the Andrew W. Mellon Foundation.

The grant, in US funds, is the project's second gift from the New York-based foundation, which funds research endeavours in higher education. The organization gave DOE a similar grant in 1984.

"We are absolutely delighted to once again have the support of a major US foundation," said Professor Antonette diPaolo Healey, chief editor of the DOE. "It reflects the value of the project as well as the strong support for basic research in the humanities that the Mellon foundation is famous for."

The award must be matched by the project. Healey said the DOE has secured a grant from the US National Endowment for the Humanities for \$208,000 (US). She plans to raise the remaining funds from Canadian foundations and donors.

Founded in 1970 by the late Professor Angus Cameron of the Centre for Medieval Studies, the DOE is believed to be the most comprehensive study of Old English ever

undertaken. It is attempting to provide a lexical inventory of Old English, listing every word in that language and analyzing its meaning from original records and manuscripts of Anglo-Saxon England, spanning a period between 600 and 1150 AD. When complete, the DOE will be a much-needed complement to the *Oxford English Dictionary*.

"This project is doing work that has previously not been done and that is to map the early history of the English language," Healey said. "It is the most basic form of research in the humanities and analogous to the charting of the periodic table of elements in the physical sciences or to gene-mapping in the life sciences."

Since it began publishing the results of its research in 1986, the project has released five volumes of the dictionary, consisting of the letters A, AE, B, C and D. Its six full-time and three part-time editors are now analyzing data on E and F, the sixth and seventh letters out of the 22 letters of the Old English alphabet.

Throughout the years many public and private institutions as well as foundations and corporations have contributed to the project's annual budget, currently estimated at approximately \$550,000.

## Connaught Fellowships Awarded to Eight

EIGHT FACULTY MEMBERS IN the humanities and social sciences have earned 1995-96 Connaught research fellowships.

The prize, awarded by U of T's Connaught Committee, allows recipients to take six months off from teaching and administrative duties and concentrate on their research. Winners also receive \$5,000.

Next year's humanities fellowships will go to Professors Peter Blanchard of the Department of History who is studying the role of black soldiers in the Spanish-American war of independence; Timothy Brook of the Department of History for his work on Chinese politics under the Japanese occupation of 1937-40; James Brown of the Department of Philosophy for a project on the role of thought, computer models and other forms of visualization on

mathematics; and Jane Millgate of the Department of English who is studying writer Walter Scott and his correspondences.

In the social sciences, the fellowship winners are Professors Sylvia Bashevkin of the Department of Political Science for a project on organized feminism under right-wing governments; Ronald Beiner of the Department of Political Science for work on the history of political philosophy; Harriet Friedmann of sociology at Erindale College who is examining Ontario's agricultural food regions; and Stephen Waddams of the Faculty of Law whose research deals with the Ecclesiastical courts in 19th-century England.

Fellows are selected on their record in research and scholarship, relative to career stage, and on the scholarly merit of their research proposal.

## Boulton Acclaimed

PROFESSOR PETER BOULTON OF the Department of Electrical & Computer Engineering has been acclaimed to a second term as president of the U of T Faculty Association.

"It feels really great to be acclaimed," he said. "I'm glad that my work is appreciated," said Boulton. The president holds office for a one-year term.

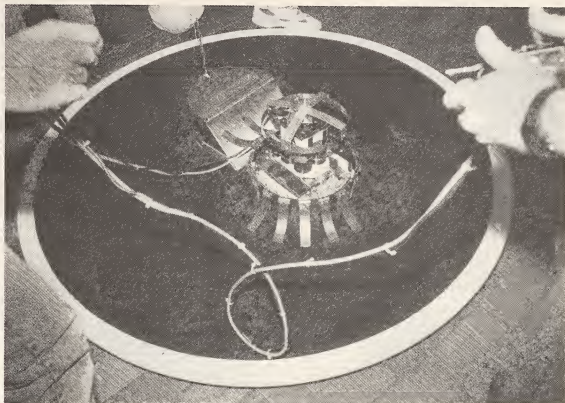
One of his major concerns will be the effect that the end of the social contract will have on faculty and librarians. The arrangements for salary, benefits and pensions will be an issue when the social contract

expires in March 1996, he said.

Faculty and librarians feel the social contract set back salaries and advancement, he said. "They are all missing a [career] step and so certainly there is a very strong feeling that some of these situations should be corrected."

Efforts to review and revise the U of T appointments policy which guides the means by which faculty and librarians obtain tenure and promotions will also be an issue. "We have a very grave problem with respect to security of tutors," he said.

## WRESTLING ROBOTS



JEWEL RAINOOLPH

It was a no-holds-barred body contact blowout in the mighty sumo robots competition at the Sandford Fleming Building March 30. Seven teams of electrical and computer engineering students piloted their 10-kilogram remote-controlled robot around the ring in one-on-one contests. REKOBOT and its creative team of Vincent Ross, Kendall Chan, Marcel Louie Ching, Neil Chung and Mahan Mather were victorious. Robot design is the fourth-year thesis project.

### HEALTH

## STEPS TO HEALTH

*Walking, running, aerobics will give you plenty to smile about*

BY SUZANNE SOTO

*I woke up this mornin'  
feelin' awfully blue  
Was weary, lonesome  
heartbroken and sad  
An' I had no one  
to tell my troubles to...*

MOST OF US HAVE HAD days like the one described by singer Will Nash in his classic blues song "Goin' down that long, long lonesome road."

Nash and the rest of us would have felt considerably better had we jumped out of bed and gone for a 20-minute walk down that



anxiety and more serious mental disorders. It has been estimated that in any given six-month period, nearly 30 million people in North America experience a mental disturbance.

"If depression is the problem, for example, the book tells you what type of exercise will make you feel better, how often you have to do it, for how long and what intensity," Leith says.

Fifteen to 30 minutes of running or walking performed three times a week for at least 10 weeks has proven to greatly reduce depression. The exercise will produce the same result whether it is done at a low or moderate intensity. "You do not have to sweat and smell and get your heart beating fast to reap psychological benefit," Leith emphasizes. "A 30-minute walk after supper will make you feel every bit as good as a four-mile run."

He cautions, however, that people diagnosed with clinical depression usually need more than just exercise to improve their conditions. But there is nothing to stop psychiatrists, psychologists or family physicians from adding exercise to psychological and medical therapy. Leith adds that for those not experiencing mental stress, doctors could recommend exercise as a preventive measure.

So what exactly is at work when people report better frames of mind after exercising? In his review of the literature Leith found several hypotheses. The one quoted most often suggests that during exercise, the brain naturally releases endorphins and other "feel good" chemicals.

Another theory points to exercise's ability to raise individuals' body temperature. Elevated body temperature has long been associated with feelings of relaxation and lowered anxiety. A third conjecture suggests that psychological factors such as an increase in self-esteem and mastery of a skill account for improvement in mental health.

"When people exercise they feel good about themselves," Leith says. "You'll hear people who are not feeling so well come back and say 'Well, at least I accomplished one thing today — I worked out.'"

JASON SCHNEIDER

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## LETTERS

### FUREDY RESPONDS TO PRESIDENT'S LETTER ON WORKFORCE SURVEY

Dear President Frichard:

This letter is in response to the full-page advertisement on page 4 of *The Bulletin*, March 20. I am writing both as a long-time faculty member of our distinguished university and as president of the four-year-old Society for Academic Freedom & Scholarship (SAFS). My contention is that the employment equity workforce survey — which you urge me to support on the grounds that it is part of the University's "long-standing commitment to employment equity" — rests on a policy that is intrinsically racist in character and constitutes a form of academic apartheid.

There is nothing wrong in gathering objective data about racial, gender or any other group composition. Accurate information cannot in itself do any harm. But where the agenda of the information-gathering effort is in question, the process itself must also be questionable. In the present case, the gathering of racial data and your undertaking, on behalf of "the whole community" that is the University of Toronto, to subsequently use these data to "review... employment policies" and to "develop a plan" would be bad enough in society at large. It is doubly objectionable in a university community (and an academically distinguished university at that), given that every position is competitively applied for.

It is a matter of common sense (suspended only in totalitarian frames of thinking) that if a designated group is in any way favoured in such a competition, a member of a non-designated group will be at a competitive disadvantage. No amount of Orwellian doublespeak (of which the

employment equity coordinator's question-answer letter is a clear example) will gainstay the fact that all equity employment policies of this sort are, in general, unfair. However, when the criterion category is race, then such a policy stinks in the nostrils of those who can recall other institutional racist policies of the past, especially when it is a distinguished university that is apparently kicking its heels in obedience to the current Ontario government's edicts.

Moreover this blind obedience to the Ontario employment equity policy has financial costs. In the same issue of *The Bulletin* an article on the front page indicated that "Academic Budgets Need More Cuts." Meanwhile the "equity advisory officers" and their offices are annually budgeted for about 1.5 million dollars, a figure that includes neither the financial costs of similar equity offices at the faculty and student level nor the current expense of what you call "the rest of the exercise" in your letter. By the way, who paid for the full-page *Bulletin* advertisement?

It appears that other organizations, including the faculty association, support the survey and the policy. I and SAFS do not.

JOHN FUREDY  
PRESIDENT  
SOCIETY FOR ACADEMIC FREEDOM  
& SCHOLARSHIP

### SINGLE OUT VILLAINS, LEAVE EVERYONE ELSE ALONE

I am disappointed with the answers provided by employment equity coordinator Mary Lynne McIntosh on page 4 of the March 20 issue of *The Bulletin* (Employment Equity —

The Workforce Survey). Perhaps I just don't understand. In an article in the same issue, Art Kruger, the retiring director of OISE, laments that Canadians insist on importing the best Canadian players but are less keen to have the best professors from wherever they may come. McIntosh's page with questions and answers offers little hope that employment equity is designed with foreigners or other under-represented domestic groups — such as the poor — in mind.

I was struck by the assault on "affirmative action" and quotes as American (and therefore bad) experiences. "Affirmative action" is very Canadian: it is the short title of Sec. 15(2) of the Charter of Rights. This section prevents anyone from challenging the potentially divisive and unnecessary legislation of the employment equity act. A letter to faculty members informs that one of the principles underlying the act is that "every employer's workforce — in all categories and all levels of employment — must reflect the representation of the designated groups in the community." Could this conflict with McIntosh's assertion that "positions continue to be filled by those people who are the best qualified? How is the University to respond to these quite different pressures?"

McIntosh suggests that U of T hiring practices have been less than fair, that they have discriminated against individuals from the designated groups. I think any perpetrator of unfairness should be exposed, denounced and subjected to self-criticism. But please, let's name the individuals and not smear people with one of their many group identities. The questions and answers provided by McIntosh also led me to believe that the University of Toronto has

restricted the pool of qualified people in the past. Have we been violating the Ontario Human Rights Code? If we care about the qualified aboriginals, women, disabled and members of racial minorities in whose past we have placed "barriers," let us urge them to seek redress.

NELSON WISEMAN  
DEPARTMENT OF POLITICAL SCIENCE

### ALL RELIGIOUS HOLIDAYS SHOULD BE CONSIDERED

In late January members of the faculty received a memo from Carolyn Tuohy, then acting vice-president and provost, about accommodations for religious observances. The memo tells us Governing Council's resolution regarding the scheduling of classes and examinations on Jewish holy days and urges that while the resolution makes no special provision for the holy days of other religions, "it is most important that no student be seriously disadvantaged because of his or her religious observances." We are told "it is assumed that every effort will be made to avoid tests" during religious holy days of all faiths and that "every opportunity... will be given to these students to make up work that they miss, particularly in courses involving laboratory work." A list of dates for Jewish and Muslim holy days was included as well as the date of the lunar new year.

This memo raises a number of questions.

1. I found the list of holy days very useful. Will we also receive a list of holy days for the other religions represented by the student body?

2. Does the directive on "accommodation" apply only to the observance of holy days that are mandated by organized religions? In this secular age there are many individuals who belong

to no organized church but who have deeply felt ethical convictions that are truly religious in nature. If such individuals choose to observe certain days for their "religious reasons" (e.g., Earth Day), ought we accommodate them?

3. Accommodating religious observances means allowing students to make up exams and laboratories that are missed. To do this involves no small added expense in time and money. In the case of labs it could mean reserving lab space, setting up equipment, buying new materials as well it involves the extra time of technicians and demonstrators. Makeup exams involve scheduling problems, invigilators and graders. Has Governing Council set aside funds to meet these extra costs?

4. Does "accommodation for religious observances" extend to faculty? Do faculty members have Council's permission to cancel classes on the holy days they observe? Is such a faculty member obliged to give these classes another time?

I fully approve of Governing Council's resolution on Jewish holy days and the University's desire to extend the spirit of that resolution to students of all religious persuasions. But this university has a student body that represents a wide range of religions and religious beliefs. To accommodate them all in the manner outlined in the memorandum on "religious observances," could be expensive and disruptive. I would like to suggest that Governing Council first makes clear what it means by "religious observances," then ask representatives of all religious persuasions to submit lists of those days that they regard as essential for observance.

MICHAEL PILOSI  
SCARBOROUGH COLLEGE

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1995-96

### PROFESSOR STEVEN V. LEY

University Chemical Laboratory, Cambridge, UK

*"Synthesis and Chemistry of  
Dispiroketales and Cyclohexane  
Diacetals"*

Wednesday, April 5th, 1995  
4:10 p.m. in Room 159  
Lash Miller Chemical Labs,  
80 St. George Street, Toronto

## BITS & PIECES

A regular sampling of what's been said and seen on campus  
EDITED BY KARINA DAHLIN 978-8023

# ON THE DARK SIDE, WAR; ON THE BRIGHT, CHICKEN

### CHICKEN ANTHOLOGY

*Circulating on campus is a thinker's guide to the old question, "Why did the chicken cross the road?"*

**Plato:** For the greater good.

**Karl Marx:** It was a historical inevitability. **Machiavelli:** So that its subjects will view it with admiration, as a chicken which has the daring and courage to boldly cross the road, but also with fear, for whom among them has the strength to contend with such a paragon of avian virtue? In such a manner is the princely chicken's dominion maintained.

**Hippocrates:** Because of an excess of light pink gooey stuff in its pancreas.

**Jacques Derrida:** Any number of contending discourses may be discovered within the act of the chicken crossing the road, and each interpretation is equally valid as the authorial intent can never be discerned, because structuralism is DEAD, DAMMIT, DEAD!

**Thomas de Torquemada:** Give me 10 minutes with the chicken and I'll find out.

**Timothy Leary:** Because that's the only kind of trip the Establishment would let it take.

**Douglas Adams:** Forty-two.

**Nietzsche:** Because if you gaze too long across the Road, the Road gazes also across you.

**B.F. Skinner:** Because the external influences which had pervaded its sensorium from birth had caused it to develop in such a fashion that it would tend to cross roads, even while believing these actions to be of its own free will.

**Jean-Paul Sartre:** In order to act in good faith and be true to itself.

**Ludwig Wittgenstein:** The possibility of "crossing" was encoded into the objects "chicken" and "road," and circumstances came into being which caused the actualization of this potential occurrence.

**Aristotle:** To actualize its potential.



**Buddha:** If you ask this question, you deny your own chicken-nature.

**Darwin:** It was the logical next step after coming down from the trees.

**Emily Dickinson:** Because it could not stop for death.

**Epicurus:** For fun.

**Ralph Waldo Emerson:** It didn't cross the road; it transcended it.

**Johann Friedrich von Goethe:** The eternal hen-principle made it do it.

**Ernest Hemingway:** To die. In the rain.

### WHERE IN THE WORLD IS THERE ROOM FOR PEACE?

*Andrew Pakula, a Toronto psychologist and peace activist spoke on March 9 on War and Peace: Yugoslavia, the World's Failure. His presentation was one of University College's Lectures in Peace Studies.*

Across the globe political, economic, social and cultural conditions have become alarmingly conducive to violent nationalism, tribalism, racism and the politics of hate. Rwanda is the most extreme example. There is overwhelming evidence that the racial slaughter of between 500,000 and 1,000,000 mainly Tutsis in Rwanda, like the "final solution" — the genocide of the Jews, the Gypsies and the mentally disabled by Nazi Germany — was explicitly planned and prepared well in advance. Tens of thousands of transistor radios were distributed for the specific purpose of spreading violent hate and fear messages about the Tutsi minority and the moderate members of the Hutu majority. "If you don't kill them, they will kill you." Tragically it worked very well.

In Russia the media still controlled by the Yeltsin regime is being used to promote hatred against the Chechen people, holding them collectively guilty for the explosion of criminal activity and justifying genocide against them using vastly superior military power for indiscriminate bombing of civilian targets. The Chechens were long considered as "them," as "the enemy," by the Russians. In the middle of the last century they were subdued and forced to become part of the Russian empire only after more than 30 percent of the total population was exterminated. More recently the forced repatriation of Chechens during World War II caused enormous death and injury. While it's defensible to argue that Russia has some justification in preventing its breakup, its genocidal methods of indiscriminate bombing of civilians are indefensible.

In the US the massive gains of the extremist right in last year's elections will greatly accelerate the backlash against civil rights and affirmative action and further polarize an ethnically divided society. Racism, the central theme in US politics, will be justified by the politics of hate masquerading as science, such as the recently published book *The Bell Curve* by Herrnstein and Murray. Racism and racial violence are almost certain to increase.

Driven by violent nationalism and the politics of hate, the continuing self-immolation of Yugoslavia is a milestone event, especially given the horrendous scope and persistence of violence. It offers a harsh forewarning of a world dominated by brutal ethnic and tribal conflicts. It sets dangerous precedents condoning the seizure of territory by force and massive violations of human rights of minorities. The killing is far from over, peace is remote and further escalation is likely, particularly an all-out war between Serbia and the Croatian-Bosnian alliance following the withdrawal of UN troops from Croatia at the end of March, possibly spreading across the Balkan Peninsula.

When future history books are written the disintegration of Yugoslavia will be considered a pivotal event in showing as false the notion that Europe, particularly the European Union, can act as a single political entity. It will be considered as the first step in ending the relatively constructive relations between Russia and what used to be called the west. It will bring into serious question the value and utility of international organizations, particularly the UN and NATO. It may put to

rest any notions of morality and justice in international behaviour and the exhilarating optimism and hope generated at the end of the cold war. It will likely encourage demagogues and hate-mongers to pursue power by promoting xenophobia and practising the politics of hate. (Undoubtedly, the degree of violence of the Russian actions in Chechnya was influenced by the international response or lack of response in the former Yugoslavia.) Bosnia-Herzegovina, like Chechnya, will increase the alienation of the world's Muslims and strengthen the radical elements among them, doubtlessly contributing to future violence.

### IRATE ON THE SUPER HIGHWAY

*Students occasionally pose some basic questions on the academic newsgroups on the Internet. Too basic for some, it appears from this message transmitted in February:*

**H**ello,  
I am a graduate student starting a master's degree thesis. I am doing some research in the environmental pollution field, and am writing to you in order to get some good topics for study, and a complete list of references to dip on to the end of my thesis. I am too lazy to go to any number of libraries available to me to spend my time searching for pertinent references. I am not willing to expend the same amount of work that others have done in this broad interdisciplinary field. Cross-referencing between disparate fields of research is something I'd rather not do. That's why I am sitting in front of this terminal, hoping that the information superhighway will make my task easier for me. Why should I have to or even think? Doubtless, there is someone who will respond, someone who has written several papers I'd rather not look up in the science citation index that is available in every university library. I also need some good topics — real hot stuff that will look good on paper and get me a job.  
Sincerely,  
The generic graduate student that make vague and generalized requests for information.

### THE SMELL OF ART

*A Dutch artist posted this request on the same list:*

I know it sounds strange but I am looking for sources of large cat "spray." And as pungent as possible! I am a conceptual artist who is interested in the predatory/defensive/territorial behaviour of animals. At the zoo I'm often impressed by the penetrating smell that lingers around some of the large cat cages. I understand that this is spray or scent marking produced by the anal glands of the cats and mixed with their urine. I would like to find out more about this and if possible obtain this scent either in natural or synthesised form. Can anyone point me in the right direction?



### CAMPUS DRAGNET II

*Last December we ran a selection of items from the daily summaries of incidents reported by the U of T Police. Readers wanted more, so here are a few:*

**On 24/02/95 5:05 p.m.** Sir Daniel Wilson Residence. Accident resulting in injuries. When rehearsing for a play, two students collided, hitting their heads. Transportation provided to hospital.

**02/02/95 11:32 a.m.** North Devonshire House, 2nd floor. Fire alarm activated by burnt toast. System reset.

**16/01/95 5:35 p.m.** Hart House, men's change area. Theft of cash. Victim reported that his locker was broken into and \$2 was removed from his wallet.

**14/01/95 4:10 p.m.** Hart House. Personal injury. Male passed out after workout in the gym. Minor injuries.

**16/12/94 12:27 p.m.** Pratt Building, 2nd and 3rd floors. Suspicious person. A male claiming to be a microwave repairman was found checking offices. Male was gone on arrival of University Police.

**05/12/94 6 p.m.** St. George St. Report of two persons struggling inside vehicle. Police investigated and determined all was in order.

**30/11/94 8:50 p.m.** Scottsdale, Arizona.

Business representative reports their computers being overloaded for unknown reasons with U of T information. Metro and University police investigating.

**05/05/94 9:30 a.m.** Sports Field on Sussex Ave. Five males on bicycles harassed soccer players and stole their soccer ball. Value \$50.

**02/04/94 7:53 p.m.** Faculty of Management, 1st floor. Report of unknown group using the building. The group left without incident.

**02/02/94 3:15 p.m.** Simcoe Hall, basement level. Two males engaging in an indecent act in bathroom area. Males gone on arrival of University Police.

**19/01/94 8 a.m.** Off Campus. Obscene telephone call originated from the St. George Campus. University Police investigating.

**27/09/93 11:58 p.m.** Athletic Centre. Report of a male by the south entrance lighting a blow torch. Male gone on arrival of officers.

**13/09/93 10:10 a.m.** 215 Huron St. Counterfeit currency used to pay fees. Incident under investigation by U of T Police.

**25/08/93 2:17 p.m.** Roberts Library. Person completed transaction at the instant cash machine and left money behind, returned moments later to discover it missing. No suspects.



# EVENTS



## LECTURES

### Marginalizing Men: Approaches to Male Sexuality in the Middle Ages.

TUESDAY, APRIL 4  
Prof. Jacqueline Murray, University of Windsor. Common Room, Pontifical Institute of Medieval Studies. 4:10 p.m. PIMS

### Magnetic Resonance Imaging: A Fourier Space for Medical Diagnosis.

WEDNESDAY, APRIL 5  
Prof. R. Mark Henkelman, Department of Medical Biophysics. 1105 Sandford Fleming Building. 4 p.m. Electrical & Computer Engineering

### Synthesis and Chemistry of Diispiroketals and Cyclohexane Diacetals.

WEDNESDAY, APRIL 5  
Prof. Steven V. Ley, University of Cambridge; Merck Frost lecture. 159 Lash Miller Chemical Laboratories. 4:10 p.m. Chemistry

### The Erasmus-Luther Debate Reinterpreted.

THURSDAY, APRIL 6  
Prof. Maryanne Horowitz, Occidental College, Los Angeles. Senior Common Room, Victoria College. 4 p.m. *CRRS and Toronto Renaissance & Reformation Colloquium*

### Old Age Security in a Time of Transition: The Politics of Retrenchment.

THURSDAY, APRIL 6  
Prof. John Myles, Florida State University; annual Wilson Abernethy Lecture. Auditorium, Koffler Institute for Pharmacy Management. 4 p.m. *Studies of Aging*

### Ethnicity in the Mainstream: Studying English Culture in Ontario.

FRIDAY, APRIL 7  
Prof. Pauline Greenhill, University of Winnipeg. Room 506, 203 College St. 2 to 4 p.m. *Ethnic, Immigration & Pluralism Studies*

### Why the Leap Is Absurd: Kierkegaard's 'Preliminary Expectoration' in *Fear and Trembling*.

FRIDAY, APRIL 7  
Prof. Kenneth Izkowitz, Marietta College, Ohio. Combination Room, Trinity College. 7:30 p.m. *Kierkegaard Circle*

### The Canal of the Pharaohs.

FRIDAY, APRIL 7  
Patricia Pace, Department of Near Eastern Studies. Lecture Theatre, McLaughlin Planetarium. 8 p.m. *Society for the Study of Egyptian Antiquities*

### Confessions of a Yiddish Writer.

SUNDAY, APRIL 9  
Chava Rosenfarb, Yiddish author. 205 Claude T. Bisel Building, 140 St. George St. 3 p.m. *Jewish Studies and U of T Library*

### The Syro-Mesopotamian Border in the 8th Century BC: The Arameans and the Establishment.

WEDNESDAY, APRIL 12  
Prof. Paul E. Dion, Department of Near Eastern Studies. Auditorium, Koffler Institute for Pharmacy Management.

8 p.m. *Canadian Society for Mesopotamian Studies*

### Immigration, Ethnic Diversity and the Policy of Multiculturalism in Canada.

THURSDAY, APRIL 13  
Prof. Waselwod Iasui, Department of Sociology. Canadian Perspectives series. Council Chamber, South Building, Erindale College. 10 a.m. Series tickets \$25, individual tickets \$7. Information: (905) 828-5214.

### Ethical Perspectives of Engineering Intervention in Nature.

THURSDAY, APRIL 20  
University Prof. Em. Ursula Franklin, Department of Metallurgy & Materials Science; Canadian Perspectives series. Council Chamber, South Building, Erindale College. 10 a.m. Series tickets \$25, individual tickets \$7. Information: (905) 828-5214.

### Identité et altérité sous la Monarchie de Juillet.

THURSDAY, APRIL 20  
Prof. Sandy Petrey, State University of New York at Stony Brook; inaugural lecture, Centre d'Études romantiques J. Sablé. Kelly Library, St. Michaels College. 10 a.m. *French*

### Privacy Considerations in the Development of Multimedia: The Social Responsibilities of Designers, Users and Managers.

TUESDAY, APRIL 25  
Prof. Andrew Clement, Faculty of Information Studies, Computer Science. Its Theory, Practice, Applications and Implications series. 1105 Sandford Fleming Building. 11 a.m. *Computer Science and ITRC*

## COLLOQUIA

### Children's Scientific Reasoning.

WEDNESDAY, APRIL 5  
Prof. Beate Sodian, University of Munich. Room 127, 45 Walmer Rd. 3:30 to 5 p.m. *Child Study*

### "Whewell auf deutsch": Whewell in the Light of Fries' Philosophy of Science.

WEDNESDAY, APRIL 5  
Barbara Keyser, Institute for the History & Philosophy of Science & Technology. 304 Victoria College. 4 p.m. *HPST*

### Hexagons, Stripes and Replicating Spots in a Reaction-Diffusion System.

THURSDAY, APRIL 6  
Prof. H.L. Swinney, University of Texas at Austin. 102 McLennan Physical Laboratories. 4:10 p.m. *Physics and Chemistry*

### Cognitive and Non-Cognitive Values in Science: Rethinking the Dicotomy.

THURSDAY, APRIL 6  
Prof. Helen Longino, University of Minnesota. 179 University College. 4 p.m. *Philosophy*

### Electron Tunnelling Pathways in Proteins.

FRIDAY, APRIL 7  
Prof. David N. Beratan, University of Pittsburgh. 158 Lash Miller Chemical Laboratories. 3:30 p.m. *Chemistry*

### Scanning Microscopies, Electron Transfer, Molecular Electronics and So On.

THURSDAY, APRIL 13  
Prof. Mark A. Ratner, Northwestern University. 158 Lash Miller Chemical Laboratories. 3:30 p.m. *Chemistry*

### Berry's Geometrical Phase.

THURSDAY, APRIL 13  
Prof. Joshua Zak, Department of Physics. 102 McLennan Physical Laboratories. 4:10 p.m. *Physics*



## SEMINARS

### Local Cytoplastic Delivery for Corneal Transplant Therapy.

THURSDAY, APRIL 6  
Prof. Bradley A. Swille, Department of Chemical Engineering & Applied Chemistry. 412 Roseburgh Building. 10 a.m. *IBME*



## MEETINGS & CONFERENCES

### Planning & Budget Committee.

TUESDAY, APRIL 11  
Council Chamber, Simcoe Hall. 5 p.m.

### Planning & Budget Committee.

TUESDAY, APRIL 18  
Council Chamber, Simcoe Hall. 5 p.m.

### University Affairs Board.

TUESDAY, APRIL 25  
Council Chamber, Simcoe Hall. 4:10 p.m.



## MUSIC

### FACULTY OF MUSIC EDWARD JOHNSON BUILDING

Faculty Artist Series.  
SATURDAY, APRIL 1  
University of Toronto Chamber Orchestra; David Zafer, conductor. Walter Hall. 8 p.m. Tickets \$15, students and seniors \$10.

### Noon Hour Concert.

MONDAY, APRIL 3  
St. Lawrence String Quartet, with Schumann competition prize-winner David Jones, piano. Walter Hall. 12:10 p.m.

### St. Lawrence String Quartet.

MONDAY, APRIL 3  
With William Aick, piano. Walter Hall. 8 p.m. Tickets \$10, students and seniors \$5.

### World Music Ensembles.

TUESDAY, APRIL 4  
David Elliott, director. Walter Hall. 8 p.m.

### Guitar Orchestra.

THURSDAY, APRIL 6  
Eli Kassner, director. Walter Hall. 8 p.m.

### Baroque Orchestra.

FRIDAY, APRIL 7  
Choir and soloists, Kevin Mallon, director; Baroque Dancers, Elaine Biagi-Turner, director. Walter Hall. 8 p.m. Tickets \$15, students and seniors \$10.

### Northern Indian Classical Music.

SATURDAY, APRIL 8  
Lecture-demonstration; Pandi Jasar, vocal; James Kippen, tabla. 330 Edward Johnson Building. 10 a.m. to 4 p.m. Tickets \$20.

### Concert of Northern Indian Classical Music.

FRIDAY, APRIL 9  
Pandi Jasar, vocal; Pandi J. Swapna Chaudhuri, tabla. Walter Hall. 5:30 p.m. Tickets \$50 (including catered reception), \$30 and \$20, students and seniors; available at 222-3064 or at the door. All proceeds to Pandi Jasar Scholarship Fund.

### TRINITY COLLEGE Choral Evensong.

WEDNESDAY, APRIL 5 AND APRIL 12  
Trinity College Chapel Choir; Robert Hunter Bell, director. Trinity College Chapel. 5:30 p.m.

### Maudy Thursday Rite.

THURSDAY, APRIL 13  
Trinity College Chapel. 5:10 p.m.

### Good Friday Rite.

FRIDAY, APRIL 14  
Trinity College Chapel. 9:30 a.m.

### The Great Vigil of Easter.

SATURDAY, APRIL 15  
Trinity College Chapel. 9 p.m.

### SCARBOROUGH COLLEGE Sunday Serenade Concert Series.

SUNDAY, APRIL 9  
Scarborough College Chorus and Chamber Ensemble; final concert in the series. Meeting Place. 3 p.m.

### KNOX COLLEGE Sing Joy My Heart!

WEDNESDAY, APRIL 19  
Knox College Choir; John Derksen, director; on Easter celebration. Knox College Chapel. 8 p.m.



## EXHIBITIONS

### SCARBOROUGH COLLEGE Juried Student Show.

TO APRIL 5  
Work by fine art students at Scarborough. The Gallery. Gallery hours: Monday to Friday, 11 a.m. to 4 p.m.

### JUSTINA M. BARNICKE GALLERY HART HOUSE Art Competition and Exhibit of Photographs.

TO APRIL 6  
Students and Hart House members. Both Galleries. Gallery hours: Monday to Friday, 11 a.m. to 7 p.m.; Saturday and Sunday, 1 to 4 p.m.

### SCHOOL OF ARCHITECTURE & LANDSCAPE ARCHITECTURE Paul Rudolph: Explorations in Modern Architecture.

TO APRIL 20  
Showcases Paul Rudolph's projects from 1979 to 1993. SALA Gallery, 230 College St. Hours: Monday to Friday, 9 a.m. to 5 p.m.

### ROBERTS LIBRARY Textures of Time: Some Stories Behind Michael Ondaatje's *In the Skin of a Lion*.

TO APRIL 31  
Researched and arranged by Dennis Duffy.

designed by Veronica Fisher. Display area, 1st floor.

### Yiddish Panorama: 1,000 Years of Yiddish Language, Literature & Culture.

APRIL 3 TO MAY 31  
Celebrating 25th anniversary of Jewish studies. Main Display Area. Hours: Monday to Friday, 8:30 a.m. to 12 mid-night; Saturday, 9 a.m. to 10 p.m.; Sunday, 1 to 10 p.m.

### THOMAS FISHER RARE BOOK LIBRARY Canadian Private Presses.

APRIL 17 TO JUNE 16  
Examples of fine printing. Hours: Monday to Friday, 9 a.m. to 5 p.m.



## MISCELLANY

### Spring Record & Book Sale.

WEDNESDAY, APRIL 5  
LPs, cassettes, CDs, books and scores. Lobby, Edward Johnson Building. 11 a.m. to 5 p.m.

### Summer Activities for Children.

WEDNESDAY, APRIL 5  
Wondering what your children could be doing while you're at work this summer? The family care office is sponsoring an information session on camps, activities and summer programs for kids. 400 Sussex Ave., 2nd floor. 12 noon to 2 p.m. Information: 978-0951.

### Resources for Recovery.

TUESDAY, APRIL 11  
An information evening for consumers, families and the community outlining employment opportunities and work-related supports for persons who have suffered a mental illness. Aldwyn B. Stokes Auditorium, Clarke Institute of Psychiatry. 7 p.m. RSVP: Betty Lamb, 979-2221, ext. 2576.

### What's New in Bipolar Affective Disorder.

THURSDAY, APRIL 18  
A public education forum highlighting innovations in research and treatment of manic depression. Aldwyn B. Stokes Auditorium, Clarke Institute of Psychiatry. 7 p.m. Information: 979-6852, 979-6816.

## EVENTS NOTICES

The Bulletin is always pleased to receive notice of events. Please remember, however, that we need, in the case of speakers, a full first name or two initials, title and department (if the speaker is from U of T) or institution with which the person is affiliated. Don't forget the date, time, location and sponsoring department, faculty or centre.



## DEADLINES

Please note that information for Events listing must be received in writing at The Bulletin office, 21 King's College Circle, 2nd floor, by the following times:  
Issue of April 24, for events taking place April 24 to May 8 to 23: MONDAY, APRIL 10.  
Issue of May 8, for events taking place May 8 to 29: MONDAY, MAY 15.

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David Foot, Economics, University of Toronto  
*Teaching as Learning in an Aging Population*

Diane Labreche, Law, l'Université de Montréal  
*Empowerment: An Issue of Professional Responsibility*

Judith Poë, Chemistry, University of Toronto  
*Experiments in the Problem-Based Learning of Scientific Method and Content*

Phil Wood, Chemical Engineering, McMaster University  
*Bringing the Real World into the Classroom: An Engineering Chair's Perspective on Teaching in a Research Intensive University*

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To arrange registration: Fax: 905-569-4302 Phone: 905-828-5257

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# CLASSIFIED

A classified ad costs \$15 for up to 35 words and \$.50 for each additional word (maximum 70). Your phone number counts as one word, but the components of your address will each be counted as a word. No charge for postal code. A cheque or money order payable to **University of Toronto** must accompany your ad. Ads must be submitted in writing, 10 days before *The Bulletin* publication date, to **Nancy Bush, Department of Public Affairs, 21 King's College Circle, 2nd Fl., Toronto, Ontario M5S 1A1**. Ads will not be accepted over the phone. To receive a tereast and/or receipt please enclose a stamped self-addressed envelope. For more information please call: 978-2106.

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**Furnished house.** Floor west, Runnymede subway. Renovated; 4 bedrooms, master suite; 3 bathrooms; family room; basement walk-out; central air, vacuum, fireplace. Parking; nearby schools, shops. Available 9/5/95 — 9/6/30 (negotiable). (416) 604-0973. E-mail lansmith@yorku.ca

**Summer sublet.** Top floor of Forest Hill home. Furnished, three bedrooms (two furnished for young children), two bathrooms. Parking. Close to TTC, parks, shopping. Air conditioning. \$1,500/month + utilities. May 15 — August 25 (flex). 483-4920.

**Subbathal rental.** Fully furnished home, 2 bedrooms + study. Parking, backyard deck, 5 appliances. Quiet street, south Riverside. August 1995 — August 1996 (dates negotiable). \$1,200/month + utilities. (416) 461-3414.

**Short- or long-term apartment.** Annex — one-bedroom, fully equipped, immaculate, quiet, smoke- and pet-free 5 appliances, parking. \$300 per week. Walk to U of T. Available mid-May. (416) 967-6474.

**Cozy Victorian family house.** 3-4 bedrooms, 2 bathrooms, fully furnished, including all appliances, three-minute walk from campus. Available mid-August 1995 to early July 1996. \$1,750 plus utilities. Phone 537-2501 ext. 224.

**Subbathal rental.** old Riverside: beautifully furnished, architect-renovated Victorian house, 2 bedrooms, study-guestroom, piano, antiques, skylights, AC, garden with fountain, private parking; 15 minutes street-

car to U of T hospitals; available August for 11-12 months; \$1,400+. 461-7011.

**Sublet.** Available July 1995 for 1 year. Completely furnished and equipped main-floor apartment in charming Rosedale house. Suitable for professional couple. Two spacious studies, lovely treed yard; deck; fireplace; parking; near subway. \$1,600/month inclusive. (416) 960-8368.

**Sabbathal rental.** Available any time from July 1995 to September 1996, dates negotiable. 4 BR furnished house with fireplace, laundry, garden. 15 minutes from campus. \$1,400/month plus utilities. 653-9319.

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**Researcher/writer/advocate** needs bachelor or 1-bedroom apartment in quiet building or house. Prefer Annex/U area. Don't smoke. Quiet & privacy priorities. Must move ASAP or by May 1 deadline. 961-3199.

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140 St. George St., outside

**Roberts Library**  
north entrance

**Wycliffe College**  
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**Whitney Hall**  
85 St. George St.,  
in sheltered entrance

**Sir Daniel Wilson Residence**  
73 St. George St.,  
box by porter's door

**Sir Daniel Wilson Residence**  
southwest corner

**21 King's College Circle**  
Inside front door

**University College**  
lobby

**Simcoe Hall**  
rack inside door

**Medical Sciences Building**  
main entrance

**Medical Sciences Building**  
east side by dean's office

**Sigmund Samuel Library**  
lobby

**Hart House**  
Arbor Room entrance

**Sidney Smith Hall**  
inside east and west doors

**Sidney Smith Caletoria**  
east door

**Innis College**  
Sussex Ave., at Innis College Cafe

**New College**  
21 Classic Ave., Wetmore Hall

**New College**  
40 Willocks St.

**New College**  
northeast corner,  
Huron and Willocks

**Botany**  
25 Willocks St.,  
corridor on east side

**Forestry**  
33 Willocks St.,  
east entrance

**45 Willocks St.**  
front of building

**Lash Miller Chemical Laboratories**  
Willocks St. and St. George St.  
entrances

**McLennan Physical Laboratories**  
main foyer

**Knox College**  
59 St. George St.,  
southwest corner

**45-49 St. George St.**  
box between buildings

**Galbraith Building**  
lobby on St. George St.

**International Students Centre**  
inside door

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St. George St. and College St.  
entrances

**215 Huron St.**  
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**SGS Council  
Elections**

**Ballots were mailed the week of March 27**  
to graduate students in these constituencies:

Division I	Humanities
Division III	Physical Sciences
Division IV	Life Sciences

Three students from each of these divisions will be elected to the SGS Council.

If you have not received your ballot, please phone Catherine Cumberland at 978-2385.

**Return your ballot by Monday, April 17**

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**The Bulletin**

invites readers to submit information regarding awards and honours as well as death notices of staff and faculty.

Please include as much background information as possible and in the case of obituaries, a CV is especially welcome.

Please send, deliver or fax the information to:

JANE STIRLING, EDITOR,  
21 King's College Circle, 2nd floor; fax, 978-7430.

**1995 F.E.L. Priestley Memorial Lectures  
in the History of Ideas**

George Steiner  
Churchill College, University of Cambridge

**Two Suppers**

<b>Tuesday, April 4</b>	In the matter of suppers
<b>Wednesday, April 5</b>	Agathon's Banquet
<b>Thursday, April 6</b>	That Night Before Passover

4:30 p.m., Room 140, University College  
15 King's College Circle, University of Toronto

*Members of the staff, students and the public are cordially invited*

**NOTICE OF OFFENCE**

In accordance with the recommendation of the University Tribunal, I am publishing the following Notice of Offence and the sanctions imposed.

The charge against the student was:

*THAT on or about May 6, 1994 she intentionally used or possessed an unauthorized aid in an academic examination, being her final examination in MAT 212S, contrary to section B.1.1.(b) of the University of Toronto Code of Behaviour on Academic Matters.*

During the spring of 1994 a ruler with mathematical formulae was observed on her desk during the final examination in MAT 212S. No aids were permitted in this examination.

The jury found her guilty of the charge and agreed to impose the following sanctions:

- a grade of '0' in MAT 212S;
- a one-year suspension from the University;
- a one-year notation on her transcript of the sanctions and the reasons for them.

Professor A. Sedra  
Vice-President and Provost

**NOTICE OF OFFENCE**

In accordance with the recommendation of the Hearing Officer in the School of Graduate Studies, I am publishing the following Notice of Offence and the sanctions imposed.

The charge against the student was:

*THAT during the months of April and May 1994, he sent a series of sexually harassing messages over the bulletin board service of a student society, contrary to the following sections of the Code of Student Conduct:*

- (i) No person shall otherwise assault another person, threaten any other person with bodily harm, or knowingly cause any other person to fear bodily harm [Section B1. (b)];
- (ii) No person shall knowingly gain access to or use any University computing or internal or external communications facility to which legitimate authorization has not been granted. No person shall use any facility for any commercial, disruptive or unauthorized purposes [Section B5. (b)]

The student admitted the charges and the Officer imposed the following sanctions:

- public service work of 25 hours
- denial of any service or activity at the University of Toronto which would result in his receiving his graduation diploma before July 1, 1995.

Professor A. Sedra  
Vice-President and Provost



## RESEARCH NOTICES

For further information and application forms for the following agencies, please contact University of Toronto Research Services (UTRS) at 978-2163.

### GENERAL CONNAUGHT FUND

The Connaught Committee is launching a pilot project to support major colloquia or symposia in U of T in 1995 or 1996. Proposed events must be interdisciplinary in focus, international in terms of scholarly/scientific significance and attendance and must include the meaningful involvement of graduate students. The committee has committed \$30,000 to this initiative. Additional financial support for proposed events must be forthcoming from the sponsoring faculty or faculties and may also be obtained from an external sponsor or sponsors. The number and size of Connaught symposia grants awarded will depend on the nature and quality of the proposals received and the level of divisional/external funding provided for each. For information and application details, contact Judith Chadwick at 978-6475 or by e-mail to judith@rtr.utoronto.ca. Decisions will be announced by May 31. Deadline is May 1.

### MEDICINE & LIFE SCIENCES MAX BELL FOUNDATION

The foundation seeks to fund initiatives that are innovative and pioneering, promise to make important contributions within their field and are likely to have an impact on the lives of Canadians across the country. Local initiatives are funded only if their purpose is to launch pilot projects or to experiment with models that might be adopted elsewhere. Certain restrictions also apply to the kinds of support the foundation will provide. The foundation is focusing on three fields: health — the development of sound policies and the promotion of health; Canada and the Asian Pacific — enrichment of the Canadian-Asian Pacific relationship; veterinary sciences and education — enhancement of veterinary care and education and their overall contribution to animal and human welfare.

Application format and details are contained in the sponsor's current program report available from UTRS. The usual University application and signature requirements apply. Deadline is approximately eight weeks prior to the May and November meetings of the foundation.

### MARCH OF DIMES BIRTH DEFECTS FOUNDATION (US)

The foundation invites research proposals dedicated to investigating the psychological, social and familial factors affecting the development of infants and children with birth defects during the first several years of life. Clinical research grants are for proposals that address pregnancy outcome, factors interfering with the birth of normal, full-term infants, survival of low birth weight infants, cognitive development of low birth weight infants and genetic and environmental influences.

Application is by request accompanied by an abstract of approximately 300 words. Deadline is April 30.

### NATIONAL INSTITUTES OF HEALTH (US)

Investigators are reminded that the "letter support" action must contain information on all support including federal, non-federal active support and pending and planned requests for support of research and research-related activities by all key personnel listed on each application.

### ONTARIO MINISTRY OF HEALTH

Investigators are advised that OMH has not yet confirmed the next competition deadline for the health care systems research program. The program is still under review and any announcement regarding a spring competition will be made two months before the submission deadline.

### PHYSICAL SCIENCES & ENGINEERING

#### U.S. DEPARTMENT OF TRANSPORTATION

In the grants for aviation research — program solicitation no. 95-1, the Federal Aviation Administration (FAA) is soliciting proposals for research grants and cooperative agreements addressing the long-term technical needs of the National Airspace System (NAS). Areas of interest to the FAA are: capacity and air traffic control technology; communications, navigation and surveillance; aviation weather; airports; aircraft safety technology; system security technology; human factors and aviation medicine; environment and energy; and systems science and operations research. A detailed description of these program

areas and application information may be obtained from UTRS or via the Internet on the FAA Technical Center WorldWideWeb Server at URL: <http://www.tc.faa.gov>. Proposals may be submitted at any time. When preparing proposals for submission under this program applicants should include indirect costs at the rate of 44.3 percent of total direct costs, the current negotiated indirect cost rate between U of T and the US government.

#### UPCOMING DEADLINES

**APRIL 7**  
Baxter Corporation — renal therapy division research grants

**APRIL 13**  
Canadian International Development Agency — tier 2 linkage projects

**APRIL 15**  
Easter Seal Research Institute — post-doctoral fellowships, research project grants, doctoral research training grants

**APRIL 15**  
Benjamin Franklin National Memorial — Bower award and prize  
Health Canada/NHRDP — tobacco demand reduction strategy research project  
Institute for Work & Health — fellowships

**APRIL 15**  
Royal Society of Canada/McNeil Consumer Products Company — McNeil medal for the public awareness of sciences

**APRIL 18**  
NSERC — strategic grants

#### APRIL 30

March of Dimes Birth Defects Foundation — clinical research grants, social and behavioural sciences research grants (abstract)

NRC — women in engineering and science program (nominations)

Research Institute — graduate student research grants, research grants, major research grants

**MAY 1**  
Canadian Institute of Ukrainian Studies — research grants

Connaught Fund — support for international symposia/colloquia  
NSERC — collaborative project grants

Sandoz Foundation for Gerontological Research — research grants

U of T — self-funded research grants

## PHD ORALS

Graduate faculty please call the PhD examinations office at 978-5258 for information regarding time and location for these listings.

#### THURSDAY, APRIL 6

Gennady Feygin, Department of Electrical & Computer Engineering, "Arithmetic Coding: Algorithms and VLSI Architectures." Prof. P.G. Gulak and P. Chow.

#### Friday, April 7

Peri Joanne Julia Ballantyne, Department of Community Health, "Determinants of Income Status in Old Age: Gender Differences across the Life Course." Prof. V. Marshall.

Hope Lampert Burman, Centre for Medieval Studies, "The Alphabetum Catholicorum of Arnaldus of Villanova: An Edition and Study." Prof. J.N. Hillgarth.

#### MONDAY, APRIL 10

Angelo John Cany, Department of Statistics, "A System to Test for Convergence of the Gibbs Sampler." Prof. N.M. Reid.

Keju Ma, Department of Computer Science, "The Recognition of Permutation Functions." Prof. J.P. von zur Gathen.

John Newton, Department of Geography, "Coping in Context — Adaptation to Environmental Hazards in the Northern Regions of Canada." Prof. J.B.R. Whitney.

#### TUESDAY, APRIL 11

Franco Taverna, Faculty of Pharmacy, "The Roles of Post-Translational Modifications in the Structure and Function of Glutamate Receptors." Prof. D.R. Hampson.

#### WEDNESDAY, APRIL 12

Angela Yuk-Kai Lee, Faculty of Management, "Effects of Stimulus Exposure on Information Processing: An Implicit Memory Perspective." Prof. A.A. Mitchell.

#### THURSDAY, APRIL 13

Henriette Monique Geuzandjait, Department of French Language & Literature, "Les Adverbes en -ment: analyse linguistique et discursive." Prof. P.R. Leon.

Maria Carolina Landolt, Department of Biochemistry, "Structural Analyses of Membrane Glycoproteins." Prof. R. Reichermer.

Cecile Anusha Santhipillai, Department of Education, "The Predictors of Smoking Cessation among Youth." Prof. R.E. Traub.

Rebecca Anne Ward, Department of Engineering, "Bridging the Gap between Visual and Auditory Discrimination Learning in Children with Severe Developmental Disabilities." Prof. P.H. Lindsay.

#### TUESDAY, APRIL 18

Andrew Anthony Luchak, Centre

for Industrial Relations, "Employer Sponsored Pension Plans: An Empirical Analysis of Quality of Information, Job Change and Retirement Plans, and Employee Preferences." Prof. M.H. Gunderson.

#### WEDNESDAY, APRIL 19

April Jean Boyd, Department of Physiology, "Microcirculation in Intestinal Inflammation." Prof. I.A. Sherman.

Arlene M. Gehmacher, Department of History of Art, "The Mythologization of Ozaia Leduc." Prof. D. Reid.

Simon James Graham, Department of Medical Biophysics, "Quantitative Measurement of Tissue Parameters In Vivo Using Magnetic Resonance." Prof. M.J. Bronskill.

Shun-Cheng Li, Department of Biochemistry, "Conformational Behavior of Peptides as a Function of Molecular Environment." Prof. C.M. Deber.

#### THURSDAY, APRIL 20

David Leon Rockwell, Department of Geography, "Effects on Surface Water Erosion of the Development of a Perched Water Table at a Shallow Depth during Simulated Rainstorms in a Laboratory Flume." Prof. R.B. Bryan.

#### FRIDAY, APRIL 21

Maria Emilia Gallego, Department of Economics, "Economic Performance and Coups D'Etat." Prof. C. Pitchick and A. Siow.

Mi-Zhou Hui, Faculty of Dentistry, "Cell-Specific Effects of Alkaline Phosphatase Expression." Prof. H.C. Tenenbaum.

Hugh Edward Quixano Shewell, Faculty of Social Work, "Origins of Contemporary Indian Social Welfare in the Canadian Liberal State: A Historical Case Study in Social Policy, 1873-1965." Prof. A. Irving.

Mark Tini, Department of Molecular & Medical Genetics, "Regulation of the Y-Crystallin Promoter by Retinoid Receptors and Related Transcription Factors." Prof. V. Giguere.

Chi Wu, Department of Electrical & Computer Engineering, "Wavelength Selective Coupling for WDM and Integrated Optoelectronics." Prof. J.M. Xu.

#### MONDAY, APRIL 24

Helen Jean Harper, Department of Education, "Danger at the Borders: The Response of High School Girls to Feminist Writing Practices." Prof. R.I. Simon.

## COMMITTEES

The Bulletin regularly publishes the terms of reference and membership of committees. The deadline for submissions is Monday, two weeks prior to publication.

### SEARCH

**CHAIR, DEPARTMENT OF EAST ASIAN STUDIES**  
A search committee has been established to recommend a chair for the Department of East Asian Studies effective July 1. Members are: Dean Marsha Chaur, Faculty of Arts & Science (chair), Professors Sam Solecki, associate dean, humanities, Faculty of Arts & Science; John Baird, associate dean, Division I, School of Graduate Studies; Raymond Cho, Rick Gussion and Wayne Schlegel, Department of East Asian Studies; Gary Crawford, chair, Department of Anthropology; and Janet Paterson, Department of French; and Marko Keat-Harenda, senior tutor, Department of East Asian Studies; and Alison Marshall, graduate student, Department of East Asian Studies.

The committee would appreciate receiving nominations and comments from interested members of the University community. These should be submitted to Dean M.A. Chandler, room 2020, Sidney Smith Hall.

### DEAN, FACULTY OF INFORMATION STUDIES

In accordance with the *Perren Rules*, President Robert Prichard has appointed a search committee to recommend the appointment of a dean of the Faculty of Information Studies. Members are: Provost Adel Sedra (chair); Professors Andrew Clement, Patricia Fleming and Lynn Howarth, Faculty of Information Studies; John Cohen, dean, School of Graduate Studies; Carl Armbrin, chair, Department of Geography; and Ken Sewick, director, Computer Systems Research Institute; and Gregory Cassidy, master's student, and Louise Spiteri, PhD student, Faculty of Information Science; Joseph Cox, librarian, Faculty of Information Studies; Laura Soto-Barral, graduate student, Faculty of Information Studies; Susan Brown, finance and personnel manager, Faculty of Information Studies; Ian Wilson, chief archivist of Ontario; and Carole Moore, chief librarian.

The committee would welcome nominations and comments from

interested persons. These should be forwarded to Provost Adel Sedra at room 225, Simcoe Hall, by April 17.

### ADVISORY

**CHAIR, DIVISION OF ENGINEERING SCIENCE**  
An advisory committee has been established to recommend a chair of the Division of Engineering Science. Members are: Dean M.E. Charles, Faculty of Applied Science & Engineering (chair); Professors Rashmi Desai, Department of Physics; Lloyd Reid, Institute for Aerospace Studies; Grant Allen, Department of Chemical Engineering & Applied Chemistry; and Safwat Zaky, Department of Electrical & Computer Engineering; and Johanne Heald, undergraduate student, Division of Engineering Science; and Barbara McCann, faculty registrar, Faculty of Applied Science & Engineering.

Nominations and comments regarding this appointment should be made to the chair or to any member of the committee.

# WHITEWASHED

*We all know that racism cannot exist in a nice, liberal society like ours. Right?*

BY CAROL TATOR

IN SPITE OF THE HISTORICAL AND CONTEMPORARY evidence of racism as a pervasive and intractable reality in Canada, public discourse echoes with such statements as: "I am not a racist," "this is not a racist institution" and "we are not a racist society." These assertions function as a kind of mantra, an instrument of thought which, if repeated often enough, casts an illusory spell that has allowed Canadians to dismiss the reality of a society divided by colour and ethnicity. This is a country that suffers from historical amnesia, a place where people function in a state of collective denial, obliterating from collective memory racial doctrines and dogmas, laws and language, policies and practices that have shaped our major institutions for 300 years.

Racist assumptions, beliefs and practices, although widespread and persistent, frequently appear to be invisible to everyone but those who suffer from their consequences. White Canadians tend to easily dismiss the evidence of racial prejudice and differential treatment. They are interpreted as the isolated acts of misguided individuals. For people of colour, however, racism is about being marginalized, excluded and badly served by institutions where "whiteness" remains the preferred but invisible norm.

To address the problem of racism, public sector agencies conduct extensive consultations and then fail to translate their knowledge into substantive initiatives. Government bodies establish task forces and commissions of inquiry to demonstrate their concern and then ignore the findings and recommendations. Researchers produce empirical studies documenting the ways in which people of colour are denied power, access and equity, studies that are then buried. In the end politicians and the power elite within mainstream institutions rationalize the racial barriers that prevent people of colour from fully participating in education, employment, media, justice, human services and the arts.

THAT RACISM EXISTS AS A COMMANDING AND CONTROLLING force in this country is constantly challenged and denied by arguments that support the ideology of democratic liberalism. In a society espousing values such as equality, fairness, tolerance, social harmony and respect for individual rights, the existence of racial prejudice, discrimination and disadvantage is difficult to acknowledge and therefore to remedy. There is a deep attachment to the assumption that in a democratic society individuals are rewarded solely on the basis of their individual merit and that no one group is singled out for discrimination. Consistent with liberal, democratic values is the assumption that physical differences such as skin colour are irrelevant in determining one's status. Those who experience racial bias or differential treatment are therefore seen to be somehow responsible for their state of being, resulting in a "blame it on the victim" syndrome.

This conflict between the ideology of democratic liberalism and the racist ideology present in the collective belief system of the dominant culture creates a dissonance in Canadian society. There is a constant and fundamental moral tension between the lived reality and everyday experiences of people of colour and the perceptions and responses of those who have the power to redefine that reality such as educators, politicians, bureaucrats, judges and journalists and the corporate elite. While lip service is paid to the need to ensure equality in a pluralistic society, in reality, individuals, organizations and institutions are far more committed to the maintenance of the status quo and the preservation of traditional norms, values and institutional practices.

Traditionally the university has defined itself as a social system somewhat removed from the social forces operating in society. However, academic institutions are not hermetically sealed worlds. Both educators and students bring to the construction of knowledge their own cultural, racial and social identities and are influenced by experiences and conditions outside the boundaries of academia. While universities are centres of intellectual, ideological and political diversity, many argue that the hegemony of white (mainly male) administrators and faculty continues to



strongly influence the criteria for determining what is recognized as knowledge, critical thought and valid discourse.

DESPITE THE GROWING BODY OF EVIDENCE DOCUMENTING personal, institutional and systemic forms of racism on campuses across Canada, and the development of equity policies, progress has been slow. High on the agenda of "equality seekers" is the question of representation. Task forces, surveys and research findings demonstrate the need for universities to more accurately reflect the diversity of their student populations and the broader society in their hiring and promotion practices. At the University of Toronto, for example, students of colour represent 40 percent of student enrolment, yet less than 10 percent of its faculty are members of racial minority groups (University of Toronto Employment Equity Survey, 1993). Even more revealing is the fact that this 10 percent is heavily concentrated in a few fields such as engineering and computer science. Surveys of other Canadian universities reveal a similar pattern of underrepresentation of racial minority faculty.



## EMPLOYMENT EQUITY

IS SEEN AS A WAY TO DISMANTLE  
THE MERIT SYSTEM

The task of examining curriculum for racial and cultural bias is a highly contentious subject in academia, for it poses difficult questions such as: What constitutes knowledge? Whose knowledge is being taught? Why is it being taught in this particular way? A more inclusive curriculum would incorporate new knowledge and scholarship, propose alternative ways to orga-

nize knowledge, systematically examine the traditional paradigms and discourses and seek alternative perspectives and methodologies. Transforming the curriculum is not about eradicating the canon, nor is it a matter of adding a few specialized courses on racism or ethnicity to existing curricula. Curriculum change is about creating a form of learning that is less Eurocentric, opening up the spaces for previously silenced narratives to be told. Curriculum reviews require a rigorous evaluation of the significant gaps, biases, omissions and errors found in the current body of knowledge. Transforming the curriculum presupposes that faculty members accept responsibility for broadening the perspectives and critical capacities of not only their students but themselves as well.

An anti-racist pedagogy provides the opportunity to incorporate new methods of teaching and learning into the classroom that benefit all students. It values collaborative as well as individual learning, methodologies that acknowledge and respect the diversity of identities, perspectives and experiences that students bring into the classroom and pedagogical practices that replace the traditional hierarchies of the classroom so that students feel valued and empowered.

Obviously one of the things that makes minority students feel unwelcome is the increasing activity of neo-fascist hate groups on campuses. Racist extremist

groups like the Heritage Front have been providing a forum in classrooms, university radio stations and in campus newspapers. This has led some to conclude that freedom of expression is seen to have a higher value than the right to learn or work in an environment that is free of racism.

Students of colour at a number of campuses across the country also experience racial harassment, bias and discrimination in residences, cafeterias and other public places on campus. Graffiti smeared on washrooms and other surfaces are often racist in content. Racial minority faculty express their frustration and anger at the racism they encounter from students and colleagues and the lack of responsiveness by the administration to their concerns. Yet many of the policies dealing with these kinds of issues such as the recent Framework Regarding Prevention of Harassment & Discrimination in Ontario Universities issued by the Ontario Ministry of Education in 1993 are the subject of debate and resistance among faculty. It is argued that the mechanisms used in the resolution of complaints are heavy handed, unfair and biased (against the accused) and wasteful of valuable resources.

Those who try to rid the institution of racism are frequently labelled and dismissed as "PCers," "militants" and "radicals." Their efforts are commonly viewed as an infringement of academic freedom. Employment equity policies are seen as a way to dismantle the merit system, rather than a process to remove artificial barriers, while standards in selection or promotion processes and curricular reform are seen as a challenge to professional integrity and autonomy. Clearly what is at the core of this debate within the university is the conflict between traditional academic values and the recognition that racism runs counter to these values.

The debate is also about the role and responsibility of the university in relation to the broader society. On the one hand the university is seen as an agent of social change, a proactive protector of the rights of minorities within and outside of the university, with a commitment to the provision of an education that is inclusive, pluralistic and free of bias and discrimination. On the other hand are those who understand the role of the university to be a neutral and apolitical institution, the preserver of the unrestricted liberty of the individual and the upholder of the absolute value of unfettered intellectual freedom. The search and struggle for common ground between these two visions will ultimately make universities better able to meet the challenges of change within this country and beyond.

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